



County of San Diego
Planning & Development Services
BUILDING DIVISION

ACCESSIBILITY CORRECTION LIST

Multifamily Housing

8A

**Elevators and
Platform/Wheelchair Lifts**

PLAN CHECK #:

OWNER ON APPLICATION:

SCOPING

1. Elevators provided in covered multifamily dwellings or accessory common-use facilities shall be accessible and on an accessible route.
Exception: Private elevator serving an individual dwelling unit
CBC 1124A.1 and CBC 1124A.2
2. Note on plans: "All elevators shall comply with ASME A17.1, *Safety Code for Elevators and Escalators*."
CBC 1124A.1

CAR DIMENSIONS

3. Dimension elevator car interior complying with the following:
 - ☐ For elevator cars with side-opening doors, minimum 68 inches between side walls per CBC Figure 11A-7A(a)
 - ☐ For elevator cars with center-opening doors, minimum 80 inches between side walls per CBC Figure 11A-7A(b)
 - ☐ Minimum 54 inches between rear wall and door
 - ☐ Minimum 51 inches between rear wall and return panel*CBC 1124A.3.2*

DOORS

4. Dimension minimum 36-inch clear width at elevator doors.
CBC 1124A.3.2.1
5. Specify door reopening devices at automatic doors complying with the following per CBC Figure 11A-7C:
 - ☐ Capable of sensing an object or person in path of closing door at nominal 5 inches and 29 inches above floor
 - ☐ Do not require contact for activation
 - ☐ Remain effective for not fewer than 20 seconds*CBC 1124A.9*
6. Detail doorjamb marking complying with the following at each lobby elevator hoistway entrance per CBC Figure 11A-7C:
 - ☐ Indicating respective floor number
 - ☐ Located on both sides of door and visible from within elevator car
 - ☐ Centered 60 inches (absolute) above lobby floor
 - ☐ Floor numbers designated by raised characters minimum 2-inches high on contrasting background and otherwise complying with item 27
 - ☐ Grade level designated by raised five-pointed star with 2-inch (absolute) outside diameter placed to left of floor-designation number on contrasting background and otherwise complying with item **Error! Reference source not found.**
 - ☐ Corresponding Braille per item 28 beneath raised characters*CBC 1124A.8*
7. Specify the following at elevator landings:
 - ☐ Self-leveling feature automatically positioning elevator car platform flush with lobby landings within +/- 1/2-inch tolerance
 - ☐ Maximum 1 1/4-inch clearance between elevator car platform sill and hoistway landing edge
 - ☐ Minimum 5-foot-candle illumination at car/landing threshold*CBC 1124A.5 and CBC 1124A.10*

CAR CONTROLS AND INDICATORS

8. Dimension floor buttons complying with the following:
 - ☐ Maximum 48 inches above elevator car platform surface where only front approach allowed
 - ☐ Maximum 54 inches above elevator car platform surface where parallel approach allowed*CBC 1124A.3.3.1*
9. Specify floor buttons shall include visual indicators showing when each call is registered and extinguishing when each call is answered.
CBC 1124A.3.3.1
10. Dimension elevator emergency controls – including emergency stop and alarm – complying with the following per CBC Figure 11A-7B:
 - ☐ Minimum 35 inches above elevator car platform surface
 - ☐ Grouped near bottom of floor-button panel*CBC 1124A.3.3.1*
11. Detail car control and emergency buttons complying with following per CBC Figure 11A-7B(a):
 - ☐ Minimum 3/4-inch-diameter control buttons raised 1/8 inch +/- 1/32 inch above surrounding surface
 - ☐ Illuminated control buttons with square shoulders and activated by detectable mechanical motion
 - ☐ Minimum 3/8-inch clear space or separation between rows of control buttons
 - ☐ Raised characters per the following:
 - o Located immediately to left of control buttons
 - o White on black background
 - o Otherwise complying with item 27
 - ☐ Raised symbols per the following:
 - o Provided for controls and emergency equipment including – but not limited to – "door open," "door close," "alarm bell," "emergency stop," and "telephone"
 - o Five-pointed star at call button for main entry floor
 - o Located immediately to left of control buttons
 - o White on black background
 - o Otherwise complying with item 27
 - ☐ Corresponding Braille per item 28 beneath raised characters and symbols*CBC 1124A.3.3.2*
12. Specify and dimension elevator emergency telephone handset complying with following:
 - ☐ Positioned maximum 48 inches above platform surface
 - ☐ Handset cord minimum 29 inches long
 - ☐ Designated by raised telephone symbol per item 27
 - ☐ Corresponding Braille per item 28 beneath raised symbol
 - ☐ Lever-type hardware for door to any telephone compartment
 - ☐ Emergency intercommunication shall not require voice communication.*CBC 1124A.3.4*

**THIS DOCUMENT IS FOR PLAN REVIEW ONLY.
CORRECTION LIST ITEMS MAY NOT BE REPRODUCED OR COPIED ON PLANS.
PROVIDE COMPLETE DETAILS, DIMENSIONS, AND NOTES TO SATISFY CORRECTION ITEMS.**

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LOBBY CONTROLS AND INDICATORS

13. Detail lobby call buttons complying with the following per CBC Figure 11A-7C:
- ☐ Centerline positioned 42 inches (absolute) above floor
 - ☐ Minimum 3/4-inch-diameter buttons raised 1/8 inch +/- 1/32 inch above surrounding surface
 - ☐ Button designating up direction on top
 - ☐ Internally illuminated with white light over entire button surface
 - ☐ Visual indication provided when each call registered and extinguished when answered
 - ☐ No objects adjacent to and below call buttons projecting more than 4 inches from wall
- CBC 1124A.4*
14. Specify visual and audible signals at each lobby hoistway entrance complying with the following per CBC Figure 11A-7C:
- ☐ Minimum 2½-inch-high by 2½-inch-wide lanterns signifying up and down directions
 - ☐ Lanterns preferably arrow-shaped
 - ☐ Lanterns visible from proximity of lobby call buttons, whether on wall or elevator car doorjamb
 - ☐ Centerline of lanterns minimum 72 inches above lobby floor
 - ☐ Audible signal sounding once for up direction and twice for down direction or verbal annunciators stating "up" or "down"
- CBC 1124A.6*
15. Specify elevator door opening time per CBC Figure 11A-7D graph:
- ☐ T = Time in seconds from notification car answering call until doors start to close
 - ☐ D = Distance in feet from point in lobby area 60 inches directly in front of farthest call button to centerline of hoistway door
 - ☐ Doors shall remain fully open minimum 5 seconds
- CBC 1124A.7.1 and CBC 1124A.7.2*

TWO-WAY COMMUNICATION

16. Specify two-way communication system at elevator landings on each accessible floor one or more stories above or below story of exit discharge.
- Exception:** Landing served by area of refuge with two-way communication
- Exception:** Floor provided with exit ramp
- CBC 1007.8*
17. Specify two-way communication system complying with the following between required location and fire command center or central control point approved by fire department:
- ☐ If central control point not constantly attended, system shall have timed automatic telephone dial-out capability to monitoring location or 911
 - ☐ Communication system with both audible and visible signals
- CBC 1007.8.1*
18. Specify posting of the following information adjacent to two-way communication system:
- ☐ Directions for use of system
 - ☐ Instructions for summoning assistance via system
 - ☐ Written identification of location
- CBC 1007.8.2*

AREAS OF REFUGE

19. Identify on plans an area of refuge at each elevator provided as an accessible means of egress per CBC 1007.
- Exception:** Elevators in buildings with automatic sprinkler system
- Exception:** Elevators without protected shaft enclosures as allowed per CBC 708.2
- CBC 1007.4 and CBC 1007.6*
20. Locate and dimension each area of refuge to comply with the following:
- ☐ Location on accessible route from space served
 - ☐ Maximum travel distance from space served per CBC 1016
 - ☐ Accommodates one wheelchair space for every 200 occupants served, but not fewer than two wheelchair spaces
 - ☐ Each wheelchair space minimum 30-inches by 48-inches
 - ☐ Access to any wheelchair space not obstructed by more than one adjoining wheelchair space
 - ☐ Wheelchair spaces do not reduce required egress width
- CBC 1007.6*
21. Where elevator lobby used as area of refuge, detail smokeproof enclosure assembly for shaft and lobby.
- Exception:** Elevator within area of refuge formed by horizontal exit or smoke barrier
- CBC 1007.6*
22. Detail smoke barrier per CBC 710 or horizontal exit per CBC 1025 between each area of refuge and remainder of story.
- CBC 1007.6.2*
23. Specify two-way communication system provided per items 17 and 18 within each area of refuge and also including the following:
- ☐ Accessible button provided within area of refuge activating lights in both area of rescue and control point indicating rescue requested
 - ☐ Button provided at control point activating lights in both area of rescue and control point indicating request received
- CBC 1007.6.3 and CBC 1007.8.1.1*
24. Provide sign per the following at door accessing area of refuge:
- ☐ Visual characters stating "AREA OF REFUGE" per item 26
 - ☐ Including International Symbol of Accessibility per CBC Figure 1A-1A(b)
 - ☐ Illuminated where exit sign illumination required
 - ☐ Raised characters per item 27
 - ☐ Corresponding Braille per item 28
- CBC 1007.9*
25. Specify instructions displayed per item 18 adjacent to two-way communication system including the following for use under emergency conditions:
- ☐ Visual character per item 26
 - ☐ Directions to locate other accessible means of egress
 - ☐ Directions to persons able to use exit stairway to do so as soon as possible unless assisting others
 - ☐ Information on planned availability of assistance in supervised operation of elevator and how to summon such assistance
 - ☐ Directions for use of two-way communication system
- CBC 1007.10 and CBC 1007.11*

SIGNAGE

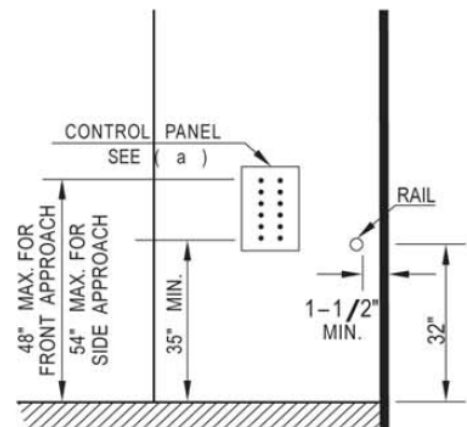
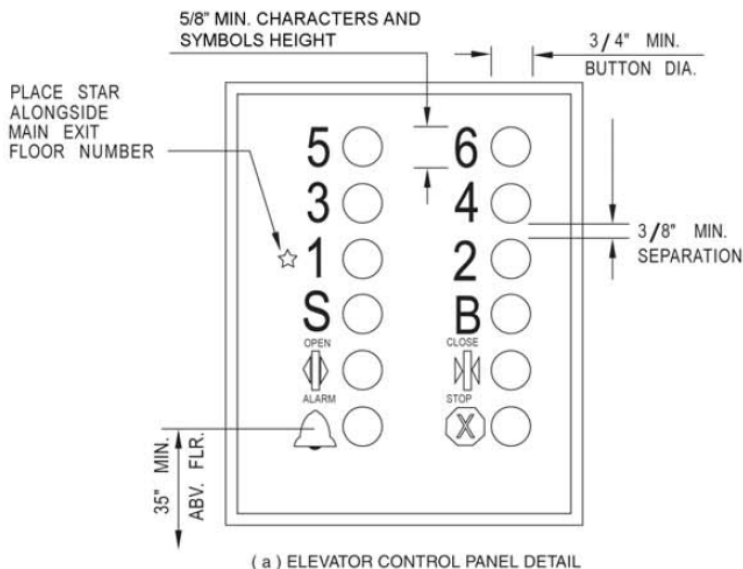
26. Visual characters on signage shall comply with the following:
- ❑ Characters, symbols, and background with non-glare finish
 - ❑ Colors of characters and symbols contrasting with background, either light on dark background or dark on light background
 - ❑ Character width-to-height ratio between 3:5 and 1:1 and stroke width-to-height ratio between 1:5 and 1:10
 - ❑ Characters sized according to intended viewing distance
CBC 1143A.5, CBC 1143A.6, and CBC 1143A.7
27. Raised characters on signage shall comply with the following:
- ❑ Characters minimum 5/8-inch and maximum 2-inches high
 - ❑ Characters raised minimum 1/32 inch
 - ❑ Characters sans serif and uppercase
 - ❑ Characters in horizontal format
 - ❑ Pictorial symbols minimum 6-inches high
 - ❑ Text description directly below pictorial symbols
CBC 1143A.8
28. Braille on signage shall comply with the following:
- ❑ Dots 1/10 inch on center in each cell
 - ❑ 2/10-inch spaces between cells, measured from second column of dots in first cell to first column of dots in second cell
 - ❑ Dots raised minimum 1/40 inch above background
 - ❑ Dots domed or rounded
 - ❑ Braille flush left or centered and placed minimum 3/8 inch and maximum 1/2 inch below raised characters or symbols
 - ❑ Braille in horizontal format
 - ❑ When raised characters are multilined text, all Braille placed together below all raised text lines
CBC 1143A.8 and CBC 1143A.9

PLATFORM/WHEELCHAIR LIFTS

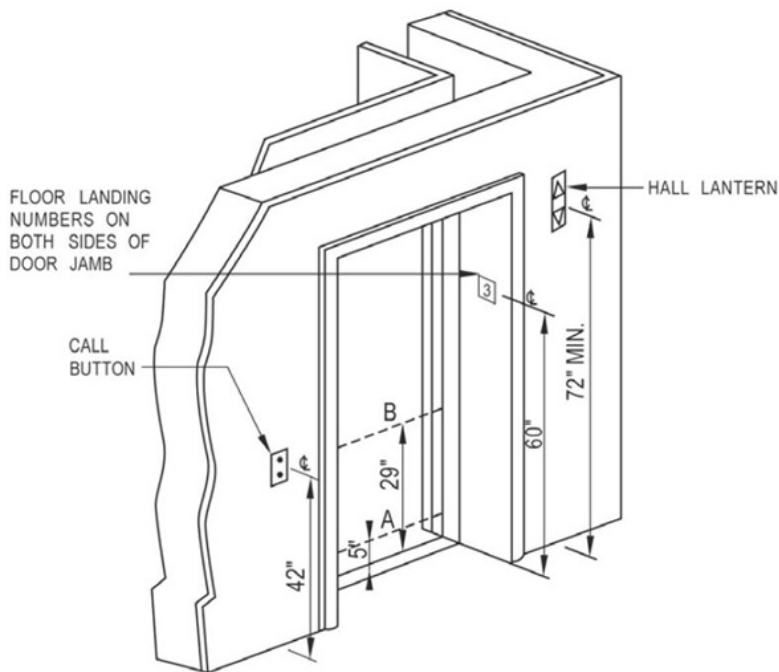
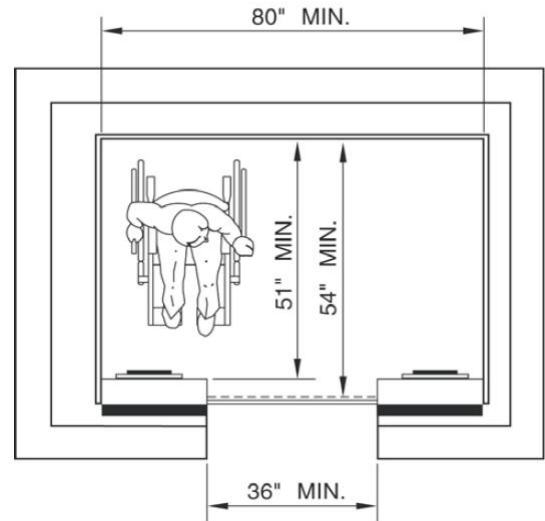
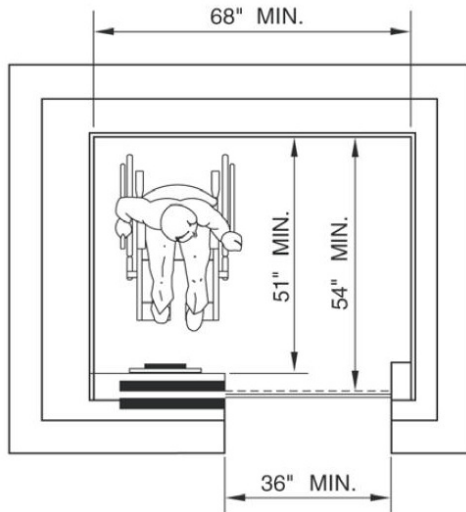
29. Platform/wheelchair lifts may be provided between levels – in lieu of passenger elevators – when the travel distance between landings complies with the following:
- ❑ Maximum 5-feet vertical distance for unenclosed lifts
 - ❑ Maximum 12-feet vertical distance for enclosed lifts
 - ❑ Maximum 45-degree travel angle for incline lifts
CBC 1124A.11 and ASME A18.1
30. If platform/wheelchair lift provided, it shall be designed and constructed to facilitate unassisted entry, operation, and exit from lift.
CBC 1124A.11
31. Note on plans: "All platform/wheelchair lifts shall comply with ASME A18.1, *Safety Standard for Platform Lifts and Stairway Chair Lifts*."
CBC 1124A.11



CBC FIGURE 11A-1A(b) – INTERNATIONAL SYMBOL OF ACCESSIBILITY
(WHITE FIGURE ON BLUE BACKGROUND EQUAL TO COLOR NO. 15090 IN FEDERAL STANDARD 595B)

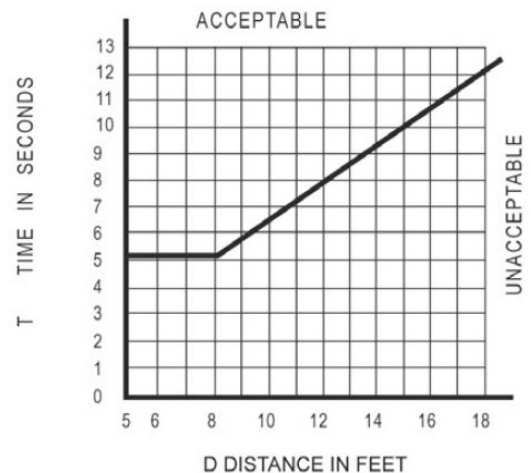


CBC FIGURE 11A-7B – ELEVATOR CONTROL PANEL



NOTE:
THE AUTOMATIC DOOR REOPENING DEVICE IS ACTIVATED IF AN OBJECT PASSES THROUGH EITHER LINE A OR LINE B. LINE A AND LINE B REPRESENT THE VERTICAL LOCATION OF THE DOOR REOPENING DEVICE NOT REQUIRING CONTACT.

CBC FIGURE 11A-7C – HOISTWAY AND ELEVATOR ENTRANCES



CBC FIGURE 11A-7D – ELEVATOR DOOR TIMING GRAPH

**THESE FIGURES ARE FOR ILLUSTRATIVE PURPOSES ONLY.
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OF THE CALIFORNIA BUILDING CODE, THE CODE TEXT SHALL GOVERN.**